



IF-WS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/766,015 Confirmation No. 2010
Applicant : A. KANO, et al
Filed : January 29, 2004
Title : DISK ARRAY SYSTEM AND METHOD FOR CONTROLLING
DISK ARRAY SYSTEM
Docket No. : 500.43451X00
Customer No.: 24956
Commissioner for Patents
Mail Stop DD
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT (IDS)
UNDER § 1.97 AND § 1.98

Sir:

In accordance with the duty of disclosure, Applicants inform the Examiner of the documents cited during prosecution of related applications and discovered by Applicants.

1. This IDS should be considered:

(a) when filed within three months of the filing date of the present application, or within three months of the filing date of the National Stage as set forth in § 1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever occurs last;

(b) when filed before the mailing date of either a Final Rejection under § 1.113 or a Notice of Allowance under § 1.311, whichever occurs first and when 1(a) does not apply. For this purpose, there is included herein either a certification in section 4 below (included when indicated by a marked box), or a fee of \$180.00 (a Credit Card Payment Form in the amount of \$180.00 is enclosed, or if not see section 5 below);

(c) when filed prior to the payment of the Issue Fee, when 1(a)-(b) do not apply, and when a certification is included in section 4 below (included when indicated by a marked box); then the Applicant(s) hereby petition(s) and request(s) consideration of this IDS, and provided herewith is a fee of \$180.00 (a Credit Card

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180.00 OP

Payment Form in the amount of \$180.00 to cover the petition fee, or if not see section 5 below).

2. When 1(a)-(c) do not apply, then it is requested that this IDS be placed in the file.

3. Listing of the information submitted is on the attached Form PTO-1449, which forms a part of this IDS. A copy of each listed document is enclosed when needed

4. If a fee or additional fee is required, the Commissioner is hereby authorized to charge any fee or additional fee that may be required and credit any excess to Deposit Account No. 50-1417.

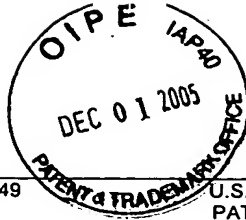
5. No explanation of relevancy is being provided for the following document(s) because each is either in the English language, discussed in the present Specification, or its relevance is as stated in a communication from a foreign patent office in a counterpart foreign application.

6. If the PTO determines that part(s) of the required content is inadvertently omitted, then it is requested that the Applicant(s) be given additional time and specific identification of such omission(s) to enable full compliance.

Respectfully submitted,

MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

By 
Shrinath Malur
Reg. No. 34,663
(703) 684-1120



FORM PTO-1449
(REV. 7-80)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
500-43451X00

SERIAL NO.
10/766,015

LIST OF DOCUMENTS CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT
A. KANO et al

FILING DATE
January 29, 2004

GROUP
2655

U.S. PATENT DOCUMENTS

* EXAMINER INITIAL	DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE (If Appropriate)
AA	2002/ 0069317	06/06/02	Chow et al			
AB	2002/ 0069334	6/06/02	Hsia et al			
AC	2003/ 0031187	02/13/03	Heffernan et al			
AD	2003/ 00221061	11/27/03	El-Batal et al			
AE	2004/ 0010660	01/15/04	Konshak et al			
AF	2004/ 0034731	02/19/04	Sivertsen			
AG	2004/ 0193791	09/30/04	Felton et al			
AH	2004/ 0148460	07/29/04	Steinmetz et al			
AI	6,834,326	12/21/04	Wang et al			
AJ	2005/ 0097132	05/05/05	Cochran et al			
AK	2005/ 0138154	06/23/05	Seto			

FOREIGN PATENT DOCUMENTS

	DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL	0795824	09/17/97	EP			<input type="checkbox"/>	<input type="checkbox"/>
AM	2002/ 333954	11/22/02	JP (English Abstract only)			<input type="checkbox"/>	<input type="checkbox"/>
AN						<input type="checkbox"/>	<input type="checkbox"/>
AO						<input type="checkbox"/>	<input type="checkbox"/>
AP						<input type="checkbox"/>	<input type="checkbox"/>

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	SGI InfiniteStorage TP9300S Storage Array, Data Sheet, 2 pp., available at: http://www.sgi.com/pdfs/3643.pdf
AS	Adaptec FS4500 Fibre to SATA RAID, Data Sheet, 2 pp., available at: http://www.sunstarco.com/PDF%20Files/Adaptec%20FS4500%20SATA.pdf
	Infotrend EonStor A16F-R1211/S1211 FC-to-SATA RAID Subsystem product
AT	information, 3 pp., available at: http://www.infotrend.com/2_product/a16f-r(s)1211.asp

EXAMINER

DATE CONSIDERED

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 500-43451X00	SERIAL NO. 10/766,015		
LIST OF DOCUMENTS CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				APPLICANT A. KANO et al			
				FILING DATE January 29, 2004	GROUP 2655		
U.S. PATENT DOCUMENTS							
* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA	5,805,788	09/08/98	Johnson			
	AB	5,423,046	06/06/95	Nunnelley et al			
	AC	5,848,282	12/08/98	Kang et al			
	AD	2002/ 062454	05/23/02	Fung, Henry T.			
	AE	6,763,409	07/13/04	Elliott, Stephen J.			
	AF	5,812,754	09/22/98	Lui et al			
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						<input type="checkbox"/> <input type="checkbox"/>
	AM						<input type="checkbox"/> <input type="checkbox"/>
	AN						<input type="checkbox"/> <input type="checkbox"/>
	AO						<input type="checkbox"/> <input type="checkbox"/>
	AP						<input type="checkbox"/> <input type="checkbox"/>
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	Synetic Inc., SyneRAID -800SA, SCSI/Fibre-toSATA RAID Subsystem product information, 3 pp., available at:					
		http://www.synetic.net/Synetic-Products/SyneRAID-Units/SyneRAID-800SATA/SyneRAID-800SA.html					
	AS	"SATA Disk System and Expansion of Unit offer 3.5 TB storage",					
		Product News Network, Nov. 1, 2004 2 pp.					
	AT	Judd, Ian, "Device Services Interface", Online, Accredited Standards					
		Committee, X3, Information Processing Systems, June 19, 1996, pp.1-8.					
EXAMINER				DATE CONSIDERED			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 500.43451X00		SERIAL NO. 10/766,015	
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U.S. PATENT DOCUMENTS							
* EXAMINER INITIAL		DOCUMENT	DATE	NAME	CLASS	SUBCLASS	FILING DATE <i>(If Appropriate)</i>
	AA						
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	AH						
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	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						<input type="checkbox"/> <input type="checkbox"/>
	AM						<input type="checkbox"/> <input type="checkbox"/>
	AN						<input type="checkbox"/> <input type="checkbox"/>
	AO						<input type="checkbox"/> <input type="checkbox"/>
	AP						<input type="checkbox"/> <input type="checkbox"/>
OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, etc.)</i>							
	AR	"Veritas Volume Manager Storage Administrator 3.2, Administrator's Guide",					
		Online, Veritas Software Corporation, July 2001, pp. 1-184.					
	AS						
	AT						
EXAMINER				DATE CONSIDERED			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							